

I Claim:

1. A coriolis inertial oscillator consisting of an orbiting mass with radial motion on a moveable platform, said mass rotating at a regulated constant angular velocity, from a motor-flywheel, via sliding rigid coupling, the platform constrained to move linearly in a vertical channel parallel to the earth's gravitational field, the channel housed in a rigid frame attached to a payload at the bottom, the oscillating channel is mechanically clutched to the frame via a member when the forces are upward and not exceeding 90 degrees in each rotation with repositioning of the platform from a spring-crank mechanism..
2. A system as claimed in 1., where the mechanical clutch is a toggle clamp engaging a grooved member held by a back plate,
3. A system as claimed in 1, where the mechanical clutch is a eccentric cam with lever arm engaging a grooved member with spring release
4. A system as claimed in 1 where the mechanical clutch is ball in an inclined plane with spring release of ball via slotted lever.
5. A system as claimed in 1 where the mechanical clutch is a cam buckle acting on a nylon webbing material member
6. A system as claimed in 1 where the rotor mass is a satellite mass fixed to a planet gear via arm which revolves around a fixed sun gear
7. As claimed in 4 where the distances between the rotor, planet and sun gear are equal
8. As claimed in 5 where the satellite mass is zero and the planet gear revolves about the sun with equal mass

9. A system as claimed in 1 where the platform mass is twice the weight of the combined planet gear and rotor
10. A system as claimed in 1. where the flywheel is replaced with a ball governor
11. A system as claimed in 1 where the motor is an induction motor with variable frequency speed control
12. A system as claimed in 1 where the motor is a rotary wankel engine
13. A system as claimed in 1 where the motor is a DC electric motor powered from a fuel cell.
14. A system as claimed in 1 where the slide coupler is a splined shaft with sliding worm engaging a worm gear set
15. A system as claimed in 1 where the slide coupler is an oldham coupler connecting the drive source with the oscillator axle
- 16.. A system as claimed in 1 comprising multiple oscillators with at least two coaxially coupled by a common oldham coupler, each being clocked 180 degrees apart on independent platforms, driven by the motor oldham coupler
17. A system as claimed in 16 with four oscillators clocked 90 degrees apart, each independently oscillating from common oldham couple motor drive source.
18. A system as claimed in 16 where the spring-crank repositioning device is driven by a chain drive and sprocket arrangement off a sprocket of equal size rotatably connected to the oldham..